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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

the patent application of  
Carlo RUBBIA

U.S. Patent Application No. 09/782,558

Filing Date: February 13, 2001

Title: METHOD AND DEVICE FOR HEATING  
GAS FROM A THIN LAYER OF  
NUCLEAR FUEL, AND SPACE ENGINE  
USING SUCH METHOD

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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Pursuant to 37 C.F.R. 1.97-1.98 the Applicant hereby submits:

- (a) the attached list of prior art, which in the reasonable opinion of Applicant may be material to patentability of the claimed invention, within the meaning of 37 C.F.R. 1.56 and/or which has been cited in the International Search Report prepared by the European Patent Office in a counterpart foreign application;
- (b) a copy of the Search Report, which is attached for the U.S. Examiner to know the first opinion of the European Examiner and the portions of the references found pertinent by the Examiner; and
- (c) a copy of the references cited under (a).

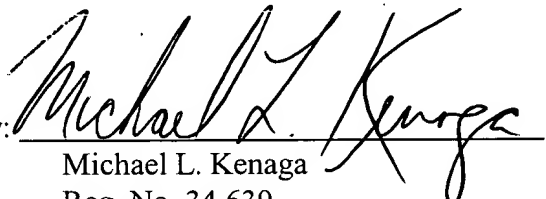
Applicant: Carlo RUBBIA  
Serial No.: 09/782,558

The Information Disclosure Statement is being filed before the mailing date of a first Office Action. Applicant believes no fee is due at this time.

If any fees are owed in connection with this communication, please charge Deposit Account No. 18-2284. (A duplicate copy of this communication is enclosed for that purpose.)

Consideration and citation of the references are respectfully solicited.

Respectfully submitted,

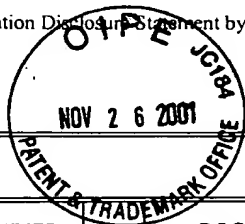
By:   
Michael L. Kenaga  
Reg. No. 34,639

Date November 26, 2001

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<b>CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)</b>		Docket No. <b>P-6150</b>	
Applicant(s): Carlo RUBBIA			
Serial No. 09/782,558	NOV 26 2001 Filing Date 02/13/01	Examiner Unassigned	Group Art Unit 3746
Invention: <b>METHOD AND DEVICE FOR HEATING GAS FROM A THIN LAYER OF NUCLEAR FUEL, AND SPACE ENGINE USING SUCH METHOD</b>			
<p>I hereby certify that this <b>INFORMATION DISCLOSURE STATEMENT</b> <i>(Identify type of correspondence)</i></p> <p>is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, [REDACTED] on <u>November 26, 2001</u> <i>(Date)</i></p> <p><b>Stephanie Warner-Wallace</b> <i>(Typed or Printed Name of Person Mailing Correspondence)</i> <u>Stephanie Warner-Wallace</u> <i>(Signature of Person Mailing Correspondence)</i></p> <p><b>EL843428385US</b> <i>("Express Mail" Mailing Label Number)</i></p> <p><b>Note: Each paper must have its own certificate of mailing.</b></p>			

Form PTO- 1449  U.S. Department of Commerce Patent and Trademark Office  Information Disclosure Statement by Applicant	Att. Docket Number :	Serial number :
	P-6150	09/782,558
	Applicant : RUBBIA	
	Filing date : 02/13/01	Group :



## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	PATENTEE/APPLICANT	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A1	3,391,281	07/02/68	EERKENS			
	A2	3,202,582	08/28/61	ROM			
	A3	4,759,911	07/26/88	BINGHAM et al.			
	A4	3,952,263	04/20/76	McARTHUR et al.			

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## FOREIGN PATENT DOCUMENTS

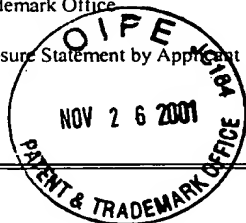
		DOCUMENT NUMBER	PUBLIC. DATE	COUNTRY/AGENCY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

## Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)

	C1	HOWE, et al., "FISSION NEUTRON MULTIPLICITY FOR / SUP $^{242m}\text{Am}(n,f)$ REACTION", NUCLEAR SCIENCE AND ENGINEERING, April 1981, USA, Vol. 77, No. 4, Pages 454-462
	C2	CHIKIN, et al., "GAS HEATING BY FISSION FRAGMENTS IN THE CHANNEL OF A PULSED REACTOR", ATOMNAYA ENERGIYA, December 1988, USSR, Vol. 65, No. 6, Pages 435-437
	C3	TORCZYNSKI, et al., «TRANSIENT GAS MOTION IN NUCLEAR-REACTOR-PUMPED LASERS: COMPUTATIONAL AND EXPERIMENTAL RESULTS», NUCLEAR SCIENCE AND ENGINEERING, March 1993, USA, Vol. 113, No. 3, Pages 189-206

Examiner	Date Considered
EXAMINER : Initial if citation is considered, whether or not citation is in conformance with MPEP 609; Draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLIC. DATE	COUNTRY/AGENCY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

## Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)

C4	MONTIERTH, et al., "ENERGY DEPOSITION IN DIRECT NUCLEAR PUMPED OPTICAL CAVITIES", JOURNAL OF APPLIED PHYSICS, AMERICAN INSTITUTE OF PHYSICS, May 15, 1991, New York, USA, Vol. 69, No. 10, Pages 6776-6788

Examiner	Date Considered
EXAMINER : Initial if citation is considered, whether or not citation is in conformance with MPEP 609; Draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	